

## Proposal Full View

### Applicant Information

Organization Name

City of Palmdale \*

Tax ID

954753654

Proposal Name

Upper Amargosa Creek Recharge  
Groundwater Model and  
Monitoring Study (Amargosa  
Project) \*

Proposal Objective

The City of Palmdale, proposes the Upper Amargosa Creek Recharge Groundwater Model and Monitoring Study (Amargosa Project) as a project that will aid in meeting the goals and objectives of DWR's Local Groundwater Assistance Grant Program. The Amargosa Project proposes to implement a groundwater data collection, modeling, monitoring and management study to further investigate the condition and recharge potential of the Antelope Valley Basin. The Proposed Project will be used to better understand the movement of water within the basin such that the recharge basins can be adequately designed to capture and recharge the groundwater basin. This data collection and monitoring program will also include the installation of automated monitoring equipment that will provide data to assist regional stakeholders better manage the basin and future water supplies. \*

### Budget

Other Contribution

\$0.00

Local Contribution

\$1,952.00

Federal Contribution

\$85,000.00

Inkind Contribution

\$29,130.00

Amount Requested

\$250,000.00 \*

Total Project Cost

\$366,082.00 \*

### Geographic Information

Latitude \*

DD(+/-) 34 MM 35 SS 42

Longitude \*

DD(+/-) -118 MM 9 SS 27

Longitude/Latitude  
Clarification

Location

County	Los Angeles *	Lat and Long provide project center location	Lat and Long provide project center location
Ground Water Basin	Antelope Valley		
Hydrologic Region	South Lahontan		
Watershed	159 9626 Antelope		
<b>Legislative Information</b>			
Assembly District	36th Assembly District *		
Senate District	17th Senate District *		
US Congressional District	District 25 (CA) *		

## Project Information

Project Name

Amargosa Creek Recharge Project - G

Implementing Organization	City of Palmdale
Secondary Implementing Organization	
Proposed Start Date	4/1/2013
Proposed End Date	3/31/2015
Project Scope	1)Project Management,2)Grant Administration, 3) Well Permitting,4)Well Construction,5)GW Monitoring,6)GW Model,7)Final Report
Project Description	<p>The City of Palmdale, proposes the Upper Amargosa Creek Recharge Groundwater Model and Monitoring Study (Amargosa Project) as a project that will aid in meeting the goals and objectives of DWR's Local Groundwater Assistance Grant Program. The Amargosa Project proposes to implement a groundwater data collection, modeling, monitoring and management study to further investigate the condition and recharge potential of the Antelope Valley Basin. This data collection and monitoring program will also include the installation of automated monitoring equipment (i.e. transducers) that will provide data to help better characterize the basin and assist regional stakeholders better manage the basin and future water supplies. All groundwater related investigations and related work will comply with work authorized in California Water</p>

	Code Section 10795 et seq. In sum, the Proposed Project elements include: *Installation of a monitoring well; *Development and implementation of a Groundwater Monitoring Plan; and *Development of a Groundwater Model.
Project Objective	The objective of the Project is to collect groundwater quality and groundwater level data in order to calibrate the USGS model of the local groundwater basin. The model will be used to better understand the movement of water within the basin such that the recharge basins can be adequately designed to capture and recharge the groundwater basin.

### Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Restoration	0	Groundwater Monitoring Program will be able to provide changes in Water Quality once recharge commences. In addition, baseline conditions for existing water quality will be documented.
Primary	Other-Groundwater Studies	0	Groundwater Monitoring Program and Groundwater Flow Modeling Study for the Antelope Valley Basin
			As part of the proposed project, the applicant will be working

Primary	Other-Data bases developed	0	closely with the Antelope Valley State Water Contractor Association (AVSWCA). The AVSWCA is an authorized DWR CASGEM Monitoring Entity. As such, the City will be collaborating with AVSWCA and sharing water level data. This data exchange, made possible through the proposed project, will help generate a more robust characterization of the Antelope Valley Basin.
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## Project Objective

**Budget**

Other Contribution	<input type="text" value="0"/>
Local Contribution	<input type="text" value="1952"/>
Federal Contribution	<input type="text" value="85000"/>
In-kind Contribution	<input type="text" value="29130"/>
Amount Requested	<input type="text" value="250000"/>
Total Project Cost	<input type="text" value="366082"/>

**Geographic Information**

Latitude DD(+/-)	<input type="text" value="34"/>	MM	<input type="text" value="35"/>	SS	<input type="text" value="42"/>
Longitude DD(+/-)	<input type="text" value="-118"/>	MM	<input type="text" value="9"/>	SS	<input type="text" value="27"/>
Longitude/Latitude					

Clarification  Location   
 County Los Angeles Ground Water Basin Antelope Valley Hydrologic Region South Lahontan  
 WaterShed

## Legislative Information

Assembly District	36th Assembly District
Senate District	17th Senate District
US Congressional District	District 25 (CA)

## Section : Applicant Information and Question's Tab

### APPLICANT INFORMATION AND QUESTION'S TAB

#### Q1. Applicant Information

**Provide the agency name, address, city, state, and zip code of the applicant submitting the application.**

City of Palmdale 38250 Sierra Highway Palmdale, CA 93550

#### Q2. Proposal Description:

**Provide a brief abstract of the Proposal. This abstract must provide an overview of the proposal including the main issues and priorities addressed in the proposal. Within the abstract, please describe how the proposal relates to the GWMP's BMO's.**

The purpose of the Upper Amargosa Creek Recharge Groundwater Model and Monitoring Study (Amargosa Project) is to improve the understanding of hydrology and geochemistry of the groundwater aquifer system that underlies the Project Area, in the Antelope Valley. As part of the understanding, the effects of the proposed recharge along the Amargosa Creek will be investigated. Previously, the USGS had developed a local groundwater-flow model to simulate the effects of recharge. This was based on the available data at the time. The Amargosa Project will collect additional water quality and water level data to supplement the existing data to better refine the groundwater-flow model. The City of Palmdale, proposes the Amargosa Project as a project that will aid in meeting the goals and objectives of DWR's Local Groundwater Assistance Grant Program in addition to meeting the goals and objectives set forth by the Antelope Valley IRWMP and GWMP. The Amargosa Project proposes to implement a groundwater data collection, modeling, monitoring and management study to further investigate the condition and recharge potential of the Antelope Valley Basin. This data collection and monitoring program will include the installation of automated monitoring equipment (i.e. transducers) that will provide data to help better characterize the basin and assist regional stakeholders better manage the basin and future water supplies. All groundwater related investigations and related work will comply with work authorized in California Water Code Section 10795 et seq. The data derived from this project will help stakeholders in the region document baseline water quality and water level conditions, document changes in water quality and track changes as recharge occurs as later stages of the project are implemented. Another significant benefit is that the data through this project will help to determine the actual "safe yield" in the basin. This is a critical piece of information for all stakeholders in the Antelope Valley given that the basin is in the process of adjudication. Developing new water supplies and the need to maintain the groundwater

levels, is crucial to successfully meeting the future water demands within the Antelope Valley Region. As such, it becomes more and more crucial to identify and document existing groundwater level and water quality conditions to help stakeholders with future water resource planning and to develop realistic water budgets. Moreover, the Amargosa Project will provide a local and regional water supply benefit, and it will help to meet the State of California's most important Water Management Strategies (groundwater banking/recharge and increased water supply reliability), as identified within the AV IRWMP. The Proposed Project helps to meet the goals identified in the AV IRWMP/GWMP. These include: \* Increase Water Supply Reliability \* Stabilize groundwater levels at current conditions \* Reduce negative impacts of storm water \* Preserve natural habitats Water supply reliability is the acceptable level of supply shortage that is acceptable during a drought. The IRWMP identifies the need to provide adequate reserves to meet demands during a single-dry year (50,600 to 57,400 AF) and to supplement average conditions to meet demands during multi-dry year conditions (up to 62,000 over a 4-year period). The Amargosa Project will help to meet this need by recharging additional storm runoff from the Amargosa Watershed and SWP supplies when available. The Amargosa Project is projected to supply an average of 9,400 AFY. The monitoring and modeling program associated with the proposed project will help to verify this recharge potential. As such, the proposed project helps to meet the goals and objectives of GWMP which aim to improve groundwater supply reliability in the region.

### **Q3. Project Director:**

**Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.**

Michael Mischel Director of Public Works City of Palmdale 38250 Sierra Highway Palmdale, CA 93550 661/267-5353 MMischel@cityofpalmdale.org

### **Q4. Project Manager:**

**Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.**

Gordon Phair Utility Services Manager City of Palmdale 38250 Sierra Highway Palmdale, CA 93550 661/267-5310 GPhair@cityofpalmdale.org

### **Q5. Additional Information:**

**Based on the region's location, what is the applicable DWR region office (Northern, North Central, South Central, or Southern)? The following link can be used to view each DWR region office boundaries:**

[http://www.water.ca.gov/groundwater/groundwater\\_basics/gw\\_contacts\\_info.cfm](http://www.water.ca.gov/groundwater/groundwater_basics/gw_contacts_info.cfm)

- 1) ☐ Northern Region
- 2) ☐ North Central Region
- 3) ☐ South Central Region
- 4) ☒ Southern Region

### **Q6. Additional Information:**

**Provide the Date of GWMP Adoption, if any, and list the pursuant Water Code Section or other legal Authority in which it was adopted.**

The GWMP was adopted on January 16, 2008, under Resolution CC 2008-007 by vote of the Mayor and City Council Members. Under California Water Code Division 6, Part 2.2, known as the Integrated Regional Water Management Planning Act of 2002, and Division 6, Part 2.75 known as the Groundwater Management Planning Act, provide the framework for the preparation and adoption of the Integrated Regional Water Management Plan and Groundwater Management Plan. The City of Palmdale (City) is a city within California that performs local governmental duties within its defined boundaries. The City was incorporated on August 24, 1984, and is considered a local public agency as defined in CWC 10701 (a). The City's charter provides the legal authority under which the City was formed and is authorized to operate. The City's charter is included in Attachment 2.

**Q7. Additional Information:****Provide a list of documents that support and indicate collaboration with other local public agencies with regard to the management of the affected groundwater basin (e.g., MOUs, MOAs, JPAs, adoption of a GWMP, recognition of county ordinances in permitting processes, or party to a groundwater basin adjudication order).**

Memorandum of Understanding (2006)- Formation of the Antelope Valley Regional Water Management Group - Included in Attachment 3 MEMORANDUM OF UNDERSTANDING (MOU), made and entered into October 4, 2006 between the following agencies: Antelope Valley-East Kern Water Agency, Palmdale Water District, Quartz Hill Water District, Littlerock Creek Irrigation District, Antelope Valley State Water Contractors Association, City of Palmdale, City of Lancaster, County Sanitation District No. 14 of Los Angeles, County Sanitation District No. 20 of Los Angeles, Rosamond Community Services District, and Los Angeles County Waterworks District No. 40, Antelope Valley Resolution CC2008-007 Adopting the AV Integrated Regional Water Management Plan and Groundwater Management Plan for Antelope Valley - Included in Attachment 3

**Q8. Additional Information****Name the entity(ies) providing the fund(s) reported in the above Budget section under the category "Other Contribution". If there are no "Other Contributions" Please answer this question with, "No Other Contributions".**

No Other Contributions. The Applicant has committed funds to implement the proposed project in its entirety and will not depend on outside contributors for the completion of this effort.

**Q9. Eligibility:****List the urban water suppliers that will receive funding from the proposed grant. Please provide the agency name, a contact phone number and email address. Those listed must submit self certification of compliance with CWC §525 et seq. and AB1420, see Attachment 10. If there are none, so indicate.**

Not Applicable. The City of Palmdale is not a urban water supplier.

**Q10. Eligibility:**

**explain current status.**

Not applicable. Please refer to Q9 above.

### **Q11. Completeness Check:**

**Have all of the fields in the application been completed?**

Yes

### **Q.11. Completeness Check (cont)**

**If no, please explain. If yes, answer this question with "NA".**

NA

## **Section : Application Attachments Tab**

### **APPLICATION ATTACHMENTS TAB**

#### **Attachment 1. Authorizing Documentation**

**Upload authorizing documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att1\_LGA12\_Palmdale\_AuthDoc\_1of1.pdf

#### **Attachment 2. Eligible Applicant Documentation**

**Upload eligible documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att2\_LGA12\_Palmdale\_EligDoc\_1of1.pdf

#### **Attachment 3. Status of GWMP**

**Upload the GWMP documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att3\_LGA12\_Palmdale\_GWMP\_1of1.pdf

#### **Attachment 4. Project Description**

**Upload project description here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att4\_LGA12\_Palmdale\_ProjD\_1of1.pdf

#### **Attachment 5. Work Plan**



**Upload work plan here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att5\_LGA12\_Palmdale\_WrkPln\_1of1.pdf

### **Attachment 6. Budget**

**Upload budget here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att6\_LGA12\_Palmdale\_BUDGET\_1of1.pdf

### **Attachment 7. Schedule**

**Upload schedule here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att7\_LGA12\_Palmdale\_SCHED\_1of1.pdf

### **Attachment 8. Quality Assurance**

**Upload quality assurance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att8\_LGA12\_Palmdale\_QA\_1of1.pdf

### **Attachemnt 9. Past Performance**

**Upload past performance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att9\_LGA12\_Palmdale\_PERFORM\_1of1.pdf

### **Attachment 10. AB1420 and Water Meter Implementation Compliance**

**Upload 1420 and water meter implementation documentation here, if applicable. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att10\_LGA12\_Palmdale\_1420\_1of1.pdf

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